

Claims

1. A method for admission control in a cellular telecommunication system, characterised in that the method comprises steps, in which
- a bearer request is received,
 - 5 - current load is checked,
 - a result load estimate is calculated based at least on the current load and said bearer request, and
 - if said result load estimate is lower than a first predefined limit
said bearer request is admitted,
 - 10 transmission resources are allocated according to said request, and
the resulting load is checked; and
 - if said result load estimate is larger than said first predefined limit, releasing of transmission resources is attempted.
2. A method according to claim 1, characterised in that
- 15 as a response to said checking of the resulting load, if the resulting load is larger than said first predetermined limit,
the parameters of at least one bearer are modified in order to bring the resulting load under said first predetermined limit.
3. A method according to claim 1, characterised in that
- 20 after said step of attempting,
- the current load is checked,
 - a result load estimate is calculated based at least on the current load and the bearer request, and
 - if said result load estimate is lower than a first predefined limit
 - 25 the bearer request is admitted,
 - transmission resources are allocated according to said request, and
the resulting load is checked.
4. A method according to claim 3, characterised in that
- 30 as a response to said checking of the resulting load, if the resulting load is larger than said first predetermined limit,
the parameters of at least one bearer are modified in order to bring the resulting load under said first predetermined limit.

5. A method according to claim 1, characterised in that if said result load estimate is over said first predefined limit,
- the bearer request is modified for lowering the amount of resources required by the request,
- 5 - current load is checked,
- a result load estimate is calculated based at least on the current load and said modified bearer request, and
- if said result load estimate is lower than a first predefined limit
said modified bearer request is admitted,
- 10 transmission resources are allocated according to said request, and
the resulting load is checked.
6. A method according to claim 5, characterised in that as a response to said checking of the resulting load, if the resulting load is larger than said first predetermined limit,
- 15 the parameters of at least one bearer are modified in order to bring the resulting load under said first predetermined limit.
7. A method according to claim 1, characterised in that said step of attempting comprises the step of adjusting handover control parameters of the cellular network.
8. A method according to claim 1, characterised in that said step of attempting
20 comprises the step of adjusting power control parameters of the cellular network.
9. A method according to claim 1, characterised in that said step of attempting comprises the step of adjusting load control parameters of the cellular network.
10. A method according to claim 1, characterised in that said step of attempting
25 comprises the step adjusting of soft handover and soft capacity margins of the cellular network.